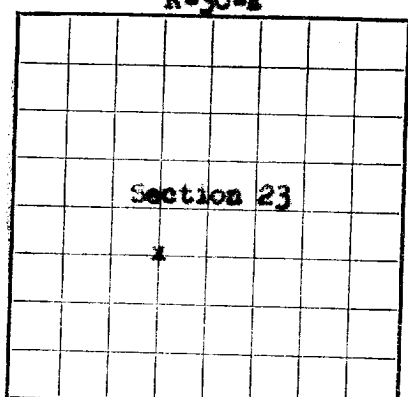


Form 9-330

R-30-B

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-65.U. S. LAND OFFICE New MexicoSERIAL NUMBER LC-00000

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

RECEIVED
AUG 9 1963
S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Company Shell Oil Company Address P. O. Box 1858, Roswell, New Mexico
Lessor or Tract Henshaw Deep Unit Field Henshaw-Wolfcamp State New Mexico
Well No. 8 Sec. 23 T. 16 R. 3 Meridian NMPN County Eddy
Location 1980 ft. N of S Line and 1980 ft. E of W Line of Section 23 Elevation 3823'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.

Signed R. A. Lowery Original Signed By R. A. LOWERYDate August 6, 1963Title District Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling May 31, 1963 Finished drilling July 26, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 8733' to 8743' No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10 3/4"</u>	<u>40.58</u>	<u>8rd</u>	<u>JAL</u>	<u>522'</u>					<u>Surface</u>
<u>7 5/8"</u>	<u>30.39</u>	<u>8rd</u>	<u>JAL</u>	<u>9036'</u>					<u>Drill pipe</u>
<u>4 1/2"</u>	<u>90.36</u>	<u>8rd</u>	<u>JAL</u>	<u>9036'</u>					<u>Drill pipe</u>
<u>10 3/4"</u>	<u>40.58</u>	<u>8rd</u>	<u>JAL</u>	<u>522'</u>					<u>Surface</u>
<u>7 5/8"</u>	<u>30.39</u>	<u>8rd</u>	<u>JAL</u>	<u>9036'</u>					<u>Drill pipe</u>
<u>4 1/2"</u>	<u>90.36</u>	<u>8rd</u>	<u>JAL</u>	<u>9036'</u>					<u>Drill pipe</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4"</u>	<u>522'</u>	<u>250</u>	<u>Pump & Plug</u>	<u>Cemented to surface</u>	
<u>7 5/8"</u>	<u>9036'</u>	<u>350</u>	<u>Pump & Plug</u>	<u>Cemented to surface</u>	
<u>4 1/2"</u>	<u>9036'</u>	<u>350</u>	<u>Pump & Plug</u>	<u>Cemented to surface</u>	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 524' feet to 9036' feet, and from _____ feet to _____ feet
Cable tools were used from 0' feet to 524' feet, and from _____ feet to _____ feet

DATES

August 6, 1963 Put to producing August 1, 1963

The production for the first 24 hours was 388 barrels of fluid of which 99.9% was oil; _____%
emulsion; _____% water; and 0.1% sediment. Gravity, °Bé. 42.5 deg. API

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>500</u>	<u>500</u>	<u>Surface Sands, Caliche, Red Beds, Anhydrite</u>
<u>500</u>	<u>1450</u>	<u>950</u>	<u>Anhydrite, Sand, Shale</u>
<u>1450</u>	<u>2665</u>	<u>1215</u>	<u>Limestone & Sandstone</u>
<u>2665</u>	<u>2984</u>	<u>319</u>	<u>Sandstone & Dolomite</u>
<u>2984</u>	<u>5730</u>	<u>2746</u>	<u>Dolomite & Limestone</u>
<u>5730</u>	<u>7702</u>	<u>1972</u>	<u>Dolomite, Limestone & Shale</u>
<u>7702</u>	<u>9036</u>	<u>1334</u>	<u>Shale, Limestone, & Dolomite</u>

LOG TOPS:

<u>Yates</u>	<u>1450'</u>	<u>(+2373')</u>
<u>Queen</u>	<u>2274'</u>	<u>(+1549')</u>
<u>Grayburg</u>	<u>2665'</u>	<u>(+1158')</u>
<u>San Andres</u>	<u>2984'</u>	<u>(+839')</u>
<u>Yeso</u>	<u>4450'</u>	<u>(-627')</u>
<u>Pubb</u>	<u>5730'</u>	<u>(-1907')</u>
<u>Abc</u>	<u>6477'</u>	<u>(-2654')</u>
<u>Wolfcamp</u>	<u>7702'</u>	<u>(-3879')</u>
<u>"Rake"</u>	<u>8247'</u>	<u>(-4424')</u>
<u>Map Datum</u>	<u>8562'</u>	<u>(-4739')</u>

LEAD

NO

JULY 1963

[OVER]

LOG NUMBER

16-42094-8

FORMATION RECORD—CONTINUED

100-300000-100

1801-1802. The first year of the war, the British were victorious in the Battle of the Clouds, and the British were victorious in the Battle of the Clouds.

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Sponholz (1980).

1950-1951		1951-1952		1952-1953		1953-1954		1954-1955		1955-1956		1956-1957		1957-1958		1958-1959		1959-1960		1960-1961		1961-1962		1962-1963		1963-1964		1964-1965		1965-1966		1966-1967		1967-1968		1968-1969		1969-1970		1970-1971		1971-1972		1972-1973		1973-1974		1974-1975		1975-1976		1976-1977		1977-1978		1978-1979		1979-1980		1980-1981		1981-1982		1982-1983		1983-1984		1984-1985		1985-1986		1986-1987		1987-1988		1988-1989		1989-1990		1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177	
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(see Attachment)

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked", or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pits or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]